

# Author Index to Volume 16 (1988/89)

(The issue number is given in front of the pagination)

- Aggarwal, S. and Har'el, Z.**, Simulation Analysis of Protocols in an Integrated Software Environment (3) 197-215
- Bauerfeld, W.**, *see* Cornillie-Braun, A. (1, 2) 24- 30
- Beale, J.S.**, COSINE Implementation Phase: COSINE Project Officer's View (1, 2) 116-118
- Belina, F. and Hogrefe, D.**, The CCITT-Specification and Description Language SDL (4) 311-341
- Binst, P. van**, Pan-European High-Speed Networking (1, 2) 124-128
- Burg, F.M. and Puges, P.**, X.25: It's Come a Long Way (5) 395-404
- Bürkle, M.**, Broadband Services (1, 2) 135-136
- Carpenter, B.E.**, COSINE Implementation Phase: The View from a Major Site (1, 2) 121-122
- Chen, K.-L.**, *see* Yan, X. (5) 405-414
- Cheung, T.-Y. and Sablatash, M.**, A Functional Network Model for Analytical File Management in ISDN Systems From Generalization of Videotex Systems (4) 299-310
- Chon, K.**, *see* Han, S. (5) 357-365
- Chua, K.C.**, *see* Ko, C.C. (5) 347-355
- Clyne, L.**, LAN/WAN Interworking (1, 2) 34- 39
- Cockburn, A.A.R.**, Tree-forming Reversible Routes in Communication Networks (4) 267-279
- Cornillie-Braun, A. and Bauerfeld, W.**, Tariff Structure of European Public Packet Switched Data Networks (1, 2) 24- 30
- Craigie, J.**, ISO 10021 - X.400(88): A Tutorial for Those Familiar with X.400(84) (1, 2) 153-160
- Dand, A.**, Product Review: Trends and Issues (1, 2) 31- 33
- Fluckiger, F.**, Gateways and Converters in Computer Networks (1, 2) 55- 59
- Fratta, L. and Wozniak, J.**, PR-EXPRESS: Collision-free Access Protocol for Packet Radio Networks (3) 229-242
- Garcia-Luna-Aceves, J.J.**, A Minimum-hop Routing Algorithm Based on Distributed Information (5) 367-382
- Han, S., Chon, K. and Lee, D.**, A Virtual Terminal Protocol with Windowing Capability (5) 357-365
- Hansen, A.**, RARE MHS Project Review (1, 2) 8- 12
- Har'el, Z.**, *see* Aggarwal, S. (3) 197-215
- Hine, M.**, *see* Koudelka, O. (1, 2) 129-134
- Hogrefe, D.**, *see* Belina, F. (4) 311-341
- Huitema, C.**, The X.500 Directory Services (1, 2) 161-166
- Humblet, P.A. and Soloway, S.R.**, Topology Broadcast Algorithms (3) 179-186
- Hutton, J.**, Overview of the Current Situation (1, 2) 21- 23
- Jeffree, T.**, A Review of OSI Management Standards (1, 2) 167-174
- Jin, C.-Y.**, *see* Tcha, D.-W. (3) 217-227
- Karrenberg, D.**, EUnet and OSI Transition Plans (1, 2) 94-100
- Kille, S.**, The THORN Large Scale Pilot Exercise (1, 2) 143-145
- Ko, C.C., Lye, K.M., Chua, K.C. and Yap, F.T.**, Analysis of a CSMA/CD-based Protocol with Dynamic Segmentation (5) 347-355
- Koudelka, O. and Hine, M.**, Higher Speed Services (1, 2) 129-134
- Lee, D.**, *see* Han, S. (5) 357-365
- Lenzini, L.**, The OSIRIDE-Interrest Initiative: Status and Trends (3) 243-255
- Linington, P.F.**, President's Review of the Year (1, 2) 6- 7
- Linington, P.F.**, The COSINE Implementation Phase Review (1, 2) 108-115
- Lubich, H. and Plattner, B.**, Naming and Addressing in SWITCHmail (1, 2) 48- 54
- Lutz, E.**, *see* Tcha, D.-W. (3) 217-227
- Lye, K.M.**, *see* Ko, C.C. (5) 347-355
- Malagardis, N.**, COSINE Implementation Phase: National View (1, 2) 119-120
- McKenna, P.**, Update on EUROMATH (1, 2) 150-152
- Mendoza, E.**, Directory Services and COSINE (1, 2) 44- 47
- Mount, R.P.**, What Users Want (1, 2) 146-149
- Newman, N.K.**, *see* Richter, J.A. (1, 2) 64- 74
- Olthoff, R. and Truijens, J.**, Editorial (to Special Issue "4th European Networkshop, 16-18 May 1988, Les Diablerets, Switzerland") (1, 2) 1- 3
- Plattner, B.**, The Swiss National Network for Research and Education (SWITCH) (1, 2) 75- 82
- Plattner, B.**, *see* Lubich, H. (1, 2) 48- 54
- Puges, P.**, *see* Burg, F.M. (5) 395-404

- Richter, J.A. and Newman, N.K.**, The Role of the European Commission in Telecommunications: The CEC Green Paper and Beyond (1, 2) 64-74
- Rubin, R.**, *see* **Turman, B.** (3) 187-196
- Sablatash, M.**, *see* **Cheung, T.-Y.** (4) 299-310
- Scheller, A.**, Document Standards: Availability and Products (1, 2) 138-142
- Smith, I.L.**, Joint Academic Network (JANET) (1, 2) 101-105
- Soloway, S.R.**, *see* **Humblet, P.A.** (3) 179-186
- Speth, R.**, EUTECO 88: European Teleinformatics Conference 1988 (COST-11 ter News) (3) 257-259
- Tcha, D.-W., Jin, C.-Y. and Lutz, E.**, Link-by-Link Bandwidth Allocation in an Integrated Voice/Data Network Using the Fuzzy Set Approach (3) 217-227
- Tropper, C.**, *see* **Zissopoulos, A.** (5) 383-393
- Truijens, J.**, *see* **Olthoff, R.** (1, 2) 1-3
- Turman, B. and Rubin, R.**, Bell Operating Company Packet Interfaces Between Networks and Subnets (3) 187-196
- Wilhelm, M.**, Migration for Users (1, 2) 40-43
- Wolff, S.**, The Present Networking Situation in the USA (1, 2) 89-91
- Wozniak, J.**, *see* **Fratta, L.** (3) 229-242
- Yan, X. and Chen, K.-L.**, Inter-network Connection of the Local Area Networks C-Net and Omninet (5) 405-414
- Yap, F.T.**, *see* **Ko, C.C.** (5) 347-355
- Zhao, X.**, Present Situation of OSI Standards in China (1, 2) 83-88
- Zissopoulos, A. and Tropper, C.**, On Buffer Allocation in Transport Protocols (5) 383-393
- Zukerman, M.**, Circuit Allocation and Overload Control in a Hybrid Switching System (4) 281-298

# Subject Index to Volume 16 (1988/89)

Abstract Data Types	311	Dialogue Service	40
Address Mapping	48	Directory Access Protocol	44
Addressing	48	Directory Information Base	44
Analysis and Verification	197	Directory Service	44, 143, 161
Analytical and Functional Studies	299	Directory System Protocol	44
Applications Project	150	Distributed Access Mechanism	229
ARPANET	89	Distributed Algorithms	179, 367
		Distributed Applications	146
Bandwidth Allocation	217	Distributed Management	167
Behaviour	311	Document Interchange	138
Bell Operating Company	187	Document Structures	138
BITNET	89		
Bridges	55	ECMA	143
Buffer Allocation	383	Electronic Mail	8, 21, 48, 94
		Electronic News	94
Call Charges	24	Esprit	143
CCITT	311, 395	EUnet	94
CCITT G700	146	EUROMATH	150
CCITT Recommendation	243	European Academic Research Network	40
CCITT X.25	101	European Commission	116
CCITT X.400	40	European Communication Policy	116
CCITT X.500	44, 143	European Mathematical Trust (EMT)	150
CEC Communications Policy	64	European Network Policy	108
Chain of Converters	55	European Network Organisation	21
China OSI	83	Explicit	267
China PDN	83		
China Scientific and Technical Information		Fault Reporting	101
System	83	FDDI-II	281
China Standardization	83	FDT	311
China State Economics Information System	83	Fibre Optics	135
Circuit Allocation	281	Fibre-optic Links	129
Classification	299	File Allocation	299
Common Management Information Services		File Management	299
and Protocols	167	File Transfer	21, 24, 40, 75
Computer Networks	347	First-fit	281
Conflict-free Transmission	229	Fixed and Mobile Station Networks	229
Conformance Testing	243	Fixed Boundary System	217
Converter Transparency	55	Formal Description Techniques	197
Converters	55	Functional Standards	21
Converters at CERN	55	Fuzzy Set Approach	217
COSINE	6, 21, 24, 108, 116, 119, 121, 150		
COSINE Implementation Phase	108	Gateway Reliability	55
COSINE Requirements	44	Gateways	34, 40, 55, 75, 101
CSMA/CD	347	GIFT	55
		Green Paper	64
Data Communication	124, 347, 395		
Data Transmission	135	Half-gateway	405
De facto Standards	150	High-speed Networking	89, 135
Description	311	High-speed Networks	124, 129
Design	311	Host Level	405
Deutsches Forschungsnetz	40	Hybrid Switching	281
Dialog	24		
		IEEE 802	167
North-Holland		Integrated Voice/Data Network	217
Computer Networks and ISDN Systems 16 (1988/89) 421-423		Inter-network Layer	405
		Interconnection Level	405



- |                                       |                       |                                      |                        |
|---------------------------------------|-----------------------|--------------------------------------|------------------------|
| Interconnection Topology              | 405                   | OSI Management                       | 167                    |
| Interface                             | 187                   | OSI Migration                        | 55, 150                |
| Interim Protocols                     | 121                   | OSI Products                         | 31                     |
| International                         | 124                   | OSI Services                         | 108                    |
| International Standards               | 21, 40                | OSI Standard                         | 243                    |
| Interworking                          | 395                   | Overload Control                     | 281                    |
| ISDN                                  | 299, 395              |                                      |                        |
| ISO                                   | 167, 395              | Packet Radio Networks                | 229                    |
| ISO 10021                             | 153                   | Packet Switched Networks             | 24                     |
| ISO 8802 Technologies                 | 34                    | Packet Switching                     | 187                    |
|                                       |                       | Performance Analysis                 | 347, 383               |
| LAN Interconnection                   | 75, 129               | Performance Evaluation               | 229                    |
| LAN/WAN Interworking                  | 34                    | Performance Monitoring               | 101                    |
| LANs                                  | 395                   | PICS                                 | 243                    |
| Late Binding                          | 55                    | Poisson Process                      | 281                    |
| Layer Management                      | 167                   | Private Networks                     | 395                    |
|                                       |                       | Protocols                            | 75, 187, 197, 311      |
| Mail Networks                         | 48                    | Public Networks                      | 24                     |
| Mail Standards                        | 153                   |                                      |                        |
| Managed Objects                       | 167                   | QPSX                                 | 281                    |
| Management Functional Areas           | 167                   |                                      |                        |
| Management Information                | 167                   | RARE                                 | 6, 8, 21, 24, 143, 150 |
| MAP/TOP 3.0 Directory                 | 44                    | Relays                               | 55                     |
| Message Handling                      | 40, 48                | Remote Job Entry                     | 40                     |
| MHS                                   | 6, 8, 75, 153         | Remote Terminal Access               | 21                     |
| MHS Connection between China and Fed. |                       | Repacking                            | 281                    |
| Rep. Germany                          | 83                    | Research Network                     | 75                     |
| Migration Strategy                    | 94                    | Reversible                           | 267                    |
| Minimum Hop                           | 367                   | RFC-822                              | 48                     |
| MINT                                  | 55                    | RFC-987                              | 48                     |
| Mission-oriented Networks             | 146                   | Routing                              | 179, 267, 367          |
| Mixed-media Services                  | 129                   |                                      |                        |
| MOTIS                                 | 153                   | Satellite Communications             | 129                    |
| MTA                                   | 55                    | SATINE System                        | 129                    |
| Multiobjective Decision-making        | 217                   | SDL                                  | 311                    |
|                                       |                       | Segnet                               | 347                    |
| Name Services                         | 161                   | Services                             | 75, 311                |
| Name Space                            | 48                    | Session Service Provider             | 243                    |
| Naming                                | 48                    | Shortest Path                        | 367                    |
| National Network                      | 119                   | Simulation                           | 197, 383               |
| Network Applications                  | 94                    | Software Environments                | 197                    |
| Network Level Relay                   | 34                    | Software Tools                       | 197                    |
| Network Management                    | 101, 119, 146, 167    | Spanning-tree                        | 267                    |
| Network Model                         | 299                   | Specification                        | 311                    |
| Network Operations                    | 101                   | Standard Generalized Markup Language | 138                    |
| Network Protocols                     | 94                    | Store-and-forward Conversion         | 55                     |
| Network Provision                     | 108                   | Supercomputer Access                 | 146                    |
| Network Tariffs                       | 146                   | Supercomputer Interconnection        | 135                    |
| Network Topology                      | 94                    | SWITCH                               | 75                     |
| Network Transition                    | 94                    | SWITCHmail                           | 48                     |
| Networking                            | 124                   | Systems Management                   | 167                    |
| Networking Policy                     | 6                     |                                      |                        |
| Networks                              | 267, 367              | Tariff Structures                    | 24                     |
| Non-swapping                          | 267                   | Telecommunication Systems            | 311                    |
| NSFnet                                | 89                    | Test Suite                           | 243                    |
|                                       |                       | THORN                                | 143                    |
| Office Document Architecture          | 138                   | Topology Broadcast                   | 179                    |
| On-the-fly Conversion                 | 55                    | Transport Protocols                  | 383                    |
| Open Systems Interconnection          | 34, 40, 311, 357, 395 | Tree-forming                         | 267                    |
| OSI                                   | 34, 40, 311, 357, 395 | Trunking                             | 187                    |
| OSI Applications                      | 75                    |                                      |                        |

*Subject Index*

423

UNISON Project	129	Wide Area Backbone	135
User Affiliation	299	Windowing Capability	357
User Network Requirements	146		
User-Information Services	161	X.400	48
		X.25	119, 395
		X.25 Packet Switching	34
Videotex Systems	299	X.25 Products	31
Virtual Terminal Classification	357	X.400	8, 75, 153
Virtual Terminal Protocol	357	X.500	161
Virtual Terminal Service	357	X.75	187